



S+S REGELTECHNIK

RYMASKON® 1000 RYMASKON® 2000/3000

BUS-CAPABLE ROOM CONTROL UNITS –
THE PERFECT SOLUTION FOR
INTELLIGENT INDIVIDUAL ROOM CONTROL



PRODUCT RANGE 2023



FÜHLBARE PRÄZISION

NEW **RYMASKON® 1000 / 2000 / 3000**

The perfect solution for intelligent individual room control

For the extended product family of modern individual room control units **RYMASKON® 1000 / 2000 / 3000**, we have developed our new Iduna housing series. in a timeless look with high-quality surfaces in white and black.

The graphic **design** with international symbols and multiple languages offers the perfect solution for all visible areas in the building. Intuitive operation is via touch keys or touch screen.

High-contrast **colour displays** with strong LED backlighting allow effortless reading up to a viewing angle of 85°. even under unfavourable conditions, such as strong solar irradiation.

It also **saves power** with features such as automatic brightness adjustment, stand-by mode or wake-up function using hand gestures.

The room climate can be monitored in up to 5 zones via the integrated **sensor technology**. The ability to detect open



INTEGRATED SENSOR TECHNOLOGY



INTUITIVE CONTROL

windows and a programmable reset function round out the features, which include the control of temperature, fan, sun protection and lighting.

In this way, buildings can be operated in an **energy-optimised** and **environmentally-friendly** manner.

Interface and controller variants are available with a wide range of technical options. Optionally with communication interface (Modbus, BACnet, KNX) or with active outputs (0-10 V).

Further **information** on the new **RYMASKON** unit series can be found on the following pages.

RYMASKON® 1000

2,0" TFT display or LEDs,
touch keys

RYMASKON® 2000 / 3000

4,3" / 5,0" TFT touch display

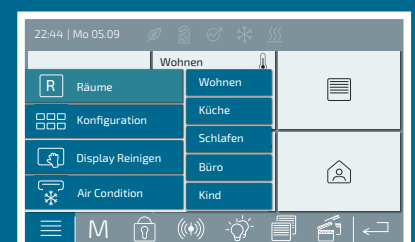
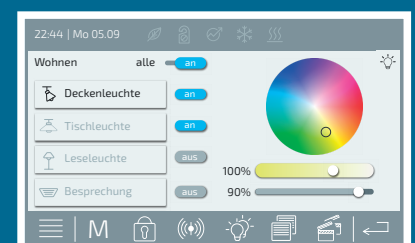
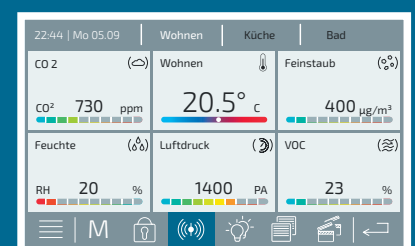


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S+S ADDED VALUE

- Timeless design in the elegant Iduna housing (white or black colour)
- Intuitive operation with modern graphics via touch keys or touch screen
- Integrated environment sensor technology enables energy-efficient room ventilation and a comfortable climate
- Power-saving and environmentally friendly thanks to features, such as automatic brightness adjustment and reset, stand-by, wake-up, time control, etc.
- Extensive room lighting control with dimming function and advanced colour settings
- Many standard languages for menu control (DE, EN, FR, ES, IT, RU, others available upon request)
- Quick and easy installation (push-in terminals) and mounting (on in-wall flush box or on-wall)
- Wide range of configuration options



NEW RYMASKON® 1000

Compact and flexible

RYMASKON® 1000 series of room control units are designed to control **temperature, fans, sun protection and lighting** in offices, homes and hotels.

Two compact housing sizes with colour TFT display (2.0") or LED display are available. Operation is intuitive via capacitive **touch keys** in combination with international symbols and a wide choice of languages.

In addition to temperature and fan **control**, there are two pairs of keys available for sun protection and room lighting.

The integrated **sensors** (temperature, humidity, CO2, VOC) support room control with **limit value** monitoring.

The units can be seamlessly integrated into an existing building management system (BMS). Optionally with communication interface (Modbus, BACnet, KNX) or with active outputs (0-10 V).

The **RYMASKON® 1000 Controller** can also be operated as a stand-alone solution thanks to the integrated control functions (PI, PWM, 2-point or 3-point control). The controller can be used with all common heating/cooling systems in room climate technology, e.g. for controlling heating convectors, fan coils, cooling ceilings or floor heating.














RYMASKON® 1000 Interface
RYMASKON® 1000 Controller














Housing variants (Iduna 1 / 2 / 3)
 with 2,0" display or LED display, touch keys
 [adjusting wheels available upon request]



HIGHLIGHTS 1000

- 2,0" TFT display (320x240x3 RGB pixels) with LED backlighting, high contrast, 85° viewing angle
- 10 capacitive keys (freely configurable) alternatively with adjusting wheels (available upon request)
- 2 housing sizes available (92x82 mm and 110x88 mm)
- Integrated sensor technology (temperature, humidity, CO₂, VOC) with limit value monitoring
- Control of temperature, fan, sun protection (max. 2 circuits) and lighting with dimming function
- Bus capable communication (Modbus, BACnet, KNX) or active outputs (0-10 V)
- **RYMASKON® 1000 Interface**
Device type for controlling heating, cooling, fans via the Modbus
- **RYMASKON® 1000 Controller**
Device type for direct control for heating convectors and fan coils, with continuous output (0-10 V) or with 2-point or 3-point regulation (relay) for 2-pipe and 4-pipe systems
- Other configuration options see number key (catalogue) or on request

RYMASKON® 1000		Interface (basic models) Room control units for temperature adjustment					
Type / WG02	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price
RYMASKON® 110x				Iduna 1			
RYM 1101-RH-MOD	Modbus	T RH	T – R	white		RYM1-1011-M210-000	199,50 €
RYM 1102-RH-MOD	Modbus	T RH	T – R	black		RYM1-1021-M210-000	199,50 €
RYMASKON® 130x				Iduna 3			
RYM 1301-RH-MOD	Modbus	T RH	T – R	white		RYM1-3011-M210-000	199,50 €
RYM 1302-RH-MOD	Modbus	T RH	T – R	black		RYM1-3021-M210-000	199,50 €
RYMASKON® 1000		Interface (basic models) Room control units for temperature and fan adjustment					 
Type / WG02	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price
RYMASKON® 120x				Iduna 1			
RYM 1201-RH-MOD	Modbus	T RH	T F R	white		RYM1-2011-M210-000	199,50 €
RYM 1202-RH-MOD	Modbus	T RH	T F R	black		RYM1-2021-M210-000	199,50 €
RYMASKON® 140x				Iduna 3			
RYM 1401-RH-MOD	Modbus	T RH	T F R	white		RYM1-4011-M210-000	199,50 €
RYM 1402-RH-MOD	Modbus	T RH	T F R	black		RYM1-4021-M210-000	199,50 €

RYMASKON® 1000 C		Controller (basic models) for heating convectors (HC) for temperature adjustment						
Type / WG02 Control outputs	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price	
[1] 2 RO (heating, cooling, 230 V AC, max. 500 mA) + 1 AO (6-way valve, 0-10 V DC, max. 5 mA)								
RYMASKON® 131x C				Iduna 3				
RYM 1311C-RH-MOD	Modbus	T RH	T – R	white		RYM1-3111-M210-000	213,50 €	
RYM 1312C-RH-MOD	Modbus	T RH	T – R	black		RYM1-3121-M210-000	213,50 €	
[2] 3 AO (heating, cooling, 6-way valve, 0-10 V DC, max. 5 mA)								
RYMASKON® 132x C				Iduna 3				
RYM 1321C-RH-MOD	Modbus	T RH	T – R	white		RYM1-3211-M210-000	213,50 €	
RYM 1322C-RH-MOD	Modbus	T RH	T – R	black		RYM1-3221-M210-000	213,50 €	
RYMASKON® 1000 C		Controller (basic models) for FAN COILS for temperature and fan adjustment					 	
Type / WG02 Control outputs	Communi- cation	Measuring element	Control system	Colour / Housing	Display	Item no.	Price	
[3] 3 AO (heating, cooling, 6-way valve, EC fan, 0-10 V DC, max. 5 mA)								
RYMASKON® 143x C				Iduna 3				
RYM 1431C-RH-MOD	Modbus	T RH	T F R	white		RYM1-4311-M210-000	213,50 €	
RYM 1432C-RH-MOD	Modbus	T RH	T F R	black		RYM1-4321-M210-000	213,50 €	
[4] 5 RO (heating, cooling, 3-stage fan, 230 V AC, max. 500 mA)								
RYMASKON® 144x C				Iduna 3				
RYM 1441C-RH-MOD	Modbus	T RH	T F R	white		RYM1-4411-M210-000	213,50 €	
RYM 1442C-RH-MOD	Modbus	T RH	T F R	black		RYM1-4421-M210-000	213,50 €	
[5] 2 RO (heating, cooling, 230 V AC, max. 500 mA) + 1 AO (EC fan, 0-10 V DC, max. 5 mA)								
RYMASKON® 145x C				Iduna 3				
RYM 1451C-RH-MOD	Modbus	T RH	T F R	white		RYM1-4511-M210-000	213,50 €	
RYM 1452C-RH-MOD	Modbus	T RH	T F R	black		RYM1-4521-M210-000	213,50 €	

Measuring element / control system:	T = Temperature sensor RH = Humidity sensor (basic equipment)	T = Temperature F = Fan R = Room occupancy		
Measuring elements::	CO2 = CO2 sensor (optional)		Extra charge	120,00 €
	VOC = VOC sensor (optional)		Extra charge	117,00 €
Control:	B / L Buttons for sun protection and/or light (optional)		on request	
Communication:	without Modbus		on request	
Optional:	More type versions available upon request! For configuration options, see number key in the catalogue and in our web shop.			

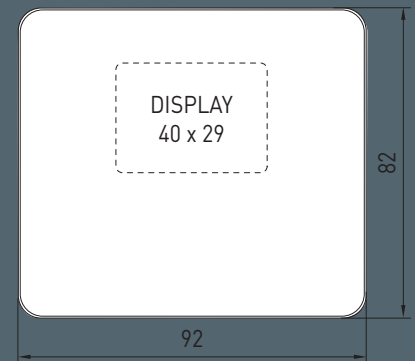
RYMASKON® 1000 Interface

Basic models in housing
Iduna 1 (92 x 82 mm)

Type 1101



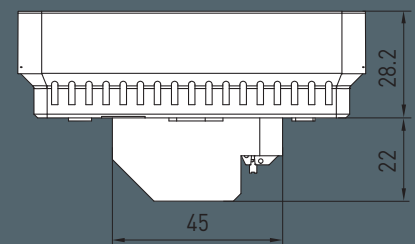
Type 1102



Type 1201



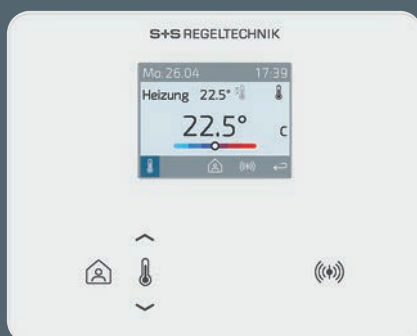
Type 1202



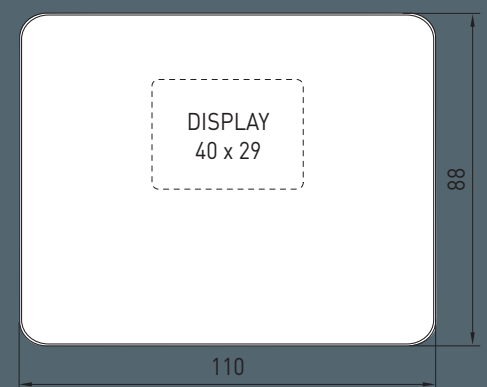
RYMASKON® 1000 Interface RYMASKON® 1000 Controller

Basic models in housing
Iduna 3 (110 x 88 mm)

Type 1301 / 1311C / 1321C



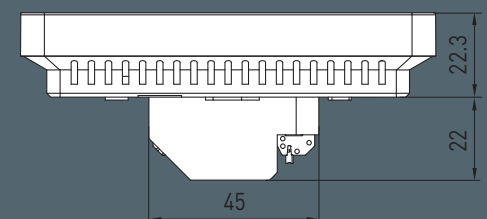
Type 1302 / 1312C / 1322C



Type 1401 / 1431C / 1441C / 1451C



Type 1402 / 1432C / 1442C / 1452C



NEW

RYMASKON® 2000 / 3000

Versatile and smart

RYMASKON® 2000 / 3000 series of room control units are designed to control **temperature, fans, sun protection** and **lighting** in up to 5 climate zones (rooms); specially designed for offices, practices, restaurants, hotels and smart homes.

Choice of two housing formats with large TFT colour displays (4.3" or 5.0"). Intuitive operation on a **touch screen** with international symbols and a wide choice of languages.

Besides the control of **temperature** and **fan**, they also provide 4 or 20 circuits each for **sun protection** and **lighting** (with dimming function).

The integrated **sensors** (temperature, humidity, CO₂, VOC) support room control with **limit value** monitoring.

The units can be seamlessly integrated into an existing building management system (BMS). Optionally with communication interface (Modbus, BACnet, KNX) or with active outputs (0-10 V).

The **RYMASKON® 2000 Controller** can also be operated as a stand-alone solution thanks to the integrated control functions (PI, PWM, 2-point or 3-point control). The controller can be used with all common heating/cooling systems in room climate technology, e.g. for controlling heating convectors, fan coils, cooling ceilings or floor heating.



TOUCH PANEL

RYMASKON® 2000 Interface
RYMASKON® 2000 Controller
 with 4.3" display, Iduna 4 housing

RYMASKON® 3000 Interface
 with 5.0" display, Iduna 5 housing



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Further
 information
 upon request

HIGHLIGHTS 2000

- 4.3" TFT display (800x480x3 RGB pixels) with LED backlighting, high contrast, 85° viewing angle
- High-performance Quad Core CPU with 1.5 GHz, 512 MB RAM and 4 GB memory
- Iduna 4 housing (approx. 129x88 mm)
- Integrated sensor technology (temperature, humidity, CO₂, VOC) with limit value monitoring
- Control of temperature and ventilation
- Control of 4 circuits each for sun protection and lighting
- Freely configurable function icons (e.g. lighting or sun protection)
- 8 scenes with start and end time (e.g. meeting, cinema, holiday, etc.)
- 'Please do not disturb' (e.g. in hotels, offices, practices)

- Bus capable communication (Modbus, BACnet, KNX) or active outputs (0-10 V)
- Controller unit type for heating convectors and fan coils, with continuous output (0-10V) or with 2-point or 3-point regulation (relay) for 2-pipe and 4-pipe systems
- Other configuration options

UPGRADE 3000

- 5.0" TFT display (800x480x3 RGB pixels)
- Iduna 5 housing (approx. 143x98 mm)
- Control of 20 circuits each for sun protection and lighting
- Additional multi-room control (up to 5 rooms)



S+S REGELTECHNIK



S+S stands for a fully integral value chain. All products are designed, developed, manufactured and programmed in-house.

The new S+S company headquarters on a total area of 14,000 m² in Nordostpark on the outskirts of Nuremberg offers a seamlessly integrated production and development environment with excellent air and road links.



BROAD PORTFOLIO

Our sensors, transmitters, thermostats, hygrometers, monitors, controllers and room climate controllers for facility and industry engineering are designed to be multifunctional. This reduces the diversity of types and expands their application potential. Thanks to microprocessor technology, almost any measuring range can be represented, including custom specifications.

APPROVED SAFETY

All devices are function tested as well as calibrated in-house prior to shipment and meet strict safety, quality and sustainability standards.

A PASSION FOR INNOVATION

S+S Regeltechnik GmbH defines itself as a flexible and reliable partner for your requirements, from the single device to networked facility and industry automation. To us, innovation means to lead the market both in technology and in quality. This is how we back up your investment in products that express our passion for precision.

CERTIFIED QUALITY

Our development and production in Nuremberg, Germany, is certified by the Technical Inspection Authority (TÜV) in Thuringia to DIN EN ISO 9001:2015.

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